

| L Number | Hits | Search Text | DB | Time stamp |
|----------|-------|--|---|---------------------|
| 1 | 17093 | (minimiz\$3 reduc\$3 smaller) with (dump\$1 trace\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:00 |
| 2 | 5637 | (conditional\$2 selective\$2 contingent\$2 provisional\$2 discriminat\$3 discern\$3) with (dump\$1 trace\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:00 |
| 3 | 5687 | (minimiz\$3 reduc\$3 smaller) near3 (dump\$1 trace\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:05 |
| 4 | 1902 | (conditional\$2 selective\$2 contingent\$2 provisional\$2 discriminat\$3 discern\$3) near3 (dump\$1 trace\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:06 |
| 7 | 159 | ((conditional\$2 selective\$2 contingent\$2 provisional\$2 discriminat\$3 discern\$3) near3 (dump\$1 trace\$1)) and (709.clas. 710.clas. 711.clas. 712.clas. 714.clas. 717.clas. 718.clas.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:02 |
| 6 | 307 | ((minimiz\$3 reduc\$3 smaller) near3 (dump\$1 trace\$1)) and (709.clas. 710.clas. 711.clas. 712.clas. 714.clas. 717.clas. 718.clas.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:04 |
| 9 | 266 | ((minimiz\$3 reduc\$3 smaller) near3 (dump\$1 trace\$1)) and (709.clas. 710.clas. 711.clas. 712.clas. 714.clas. 717.clas. 718.clas.) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:06 |
| 10 | 738 | (minimiz\$3 reduc\$3 smaller) near3 (dump\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:06 |
| 11 | 465 | (conditional\$2 selective\$2 contingent\$2 provisional\$2 discriminat\$3 discern\$3) near3 (dump\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:06 |
| 12 | 27 | ((minimiz\$3 reduc\$3 smaller) near3 (dump\$1)) and (709.clas. 710.clas. 711.clas. 712.clas. 714.clas. 717.clas. 718.clas.) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:06 |
| 13 | 7 | ((conditional\$2 selective\$2 contingent\$2 provisional\$2 discriminat\$3 discern\$3) near3 (dump\$1)) and (709.clas. 710.clas. 711.clas. 712.clas. 714.clas. 717.clas. 718.clas.) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:41 |

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| 14 | 2 | (((((conditional\$2 selective\$2 contingent\$2 provisional\$2 discriminat\$3 discern\$3) near3 (dump\$1)) and (709.clas. 710.clas. 711.clas. 712.clas. 714.clas. 717.clas. 718.clas.)) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503)) not (((minimiz\$3 reduc\$3 smaller) near3 (dump\$1)) and (709.clas. 710.clas. 711.clas. 712.clas. 714.clas. 717.clas. 718.clas.)) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/08 11:41 |
| - | 1 | 09/848167 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 09:13 |
| - | 1 | (dump\$3 near condition\$4) and (714.clas. 717.clas.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 10:10 |
| - | 48 | ((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) (((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) (((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 10:16 |
| - | 11 | ((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN. | USPAT | 2004/04/06 12:58 |
| - | 0 | 6618823.URPN. | USPAT | 2004/04/06 11:47 |
| - | 13 | ("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN. | USPAT | 2004/04/06 11:47 |
| - | 4 | ("4670835" "5119377" "5128885" "5241635").PN. | USPAT | 2004/04/06 11:55 |
| - | 8 | 6182243.URPN. | USPAT | 2004/04/06 11:55 |
| - | 5 | ("5495573" "5515384" "5617531" "5696769" "5720031").PN. | USPAT | 2004/04/06 11:57 |
| - | 4 | 6105150.URPN. | USPAT | 2004/04/06 11:57 |

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| - | 32 | ((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) (("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN.) not (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 13:29 |
| - | 10 | ("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN. | USPAT | 2004/04/06 13:28 |
| - | 42 | 5119377.URPN. | USPAT | 2004/04/06 13:29 |
| - | 45 | ((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN.) not (((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) (("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 13:36 |
| - | 14 | ((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN. | USPAT | 2004/04/06 13:37 |
| - | 12 | ((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) not (((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) (("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 13:42 |
| - | 9 | ((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN. | USPAT; US-PGPUB | 2004/04/06 13:42 |

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| - | 8 | ((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) not (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) ((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) ((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 13:45 |
| - | 13 | ((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) | USPAT | 2004/04/06 13:44 |
| - | 8 | ((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) not (((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) ((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) ((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 13:55 |
| - | 7 | ((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) | USPAT | 2004/04/06 13:55 |

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| | 5 | <p>((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) not (((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) (((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) ((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. ((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) ((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. ((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.) not (((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) (((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) (((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) ((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. ((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) ((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. ((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.)</p> | <p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p> | <p>2004/04/06 15:45</p> |
| | 316 | <p>((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) not (((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) (((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) ((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. ((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) ((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. ((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.)</p> | <p>USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB</p> | <p>2004/04/06 15:47</p> |

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|---|-----|--|---|---------------------|
| - | 296 | ((("714/45).CCLS.) not (((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) (((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) (((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) (((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) (((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.))) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 17:17 |
| - | 6 | ("4996688" "5007020" "5023817" "5125088" "5138377" "5151687").PN. | USPAT | 2004/04/06 16:44 |
| - | 73 | 5533193.URPN. | USPAT | 2004/04/06 16:44 |
| - | 11 | ((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN. | USPAT | 2004/04/06 17:05 |
| - | 11 | ("4041472" "4161024" "4310883" "4339657" "4511960" "4636940" "4797885" "4809170" "4858146" "4937740" "4953096").PN. | USPAT | 2004/04/06 17:07 |
| - | 36 | 5119493.URPN. | USPAT | 2004/04/06 17:07 |
| - | 14 | ("3540003" "3588837" "3627995" "3659272" "3673573" "3675214" "3704363" "3707725" "3748650" "3818458" "3868644" "3935563" "4016543" "4068304").PN. | USPAT | 2004/04/06 17:12 |
| - | 40 | 4205370.URPN. | USPAT | 2004/04/06 17:12 |

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| - | 7 | ((((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726"))).PN.) not (((714/45).CCLS.) (((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379"))).PN.) (((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388"))).PN.) (((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884"))).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785"))).PN.) (("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) (("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823"))).PN.))) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 17:22 |
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| - | 160 | ((((("4996688" "5007020" "5023817" "5125088" "5138377" "5151687").PN.) 5533193.URPN. (((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) (("4041472" "4161024" "4310883" "4339657" "4511960" "4636940" "4797885" "4809170" "4858146" "4937740" "4953096").PN.) 5119493.URPN. (("3540003" "3588837" "3627995" "3659272" "3673573" "3675214" "3704363" "3707725" "3748650" "3818458" "3868644" "3935563" "4016543" "4068304").PN.) 4205370.URPN.) not (((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) ((714/45).CCLS.) (((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379").PN.) (((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) ((((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) ((((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) ((((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) (("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. ((((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.))) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 17:41 |
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| - | 604 | ("4996688" "5007020" "5023817" "5125088" "5138377" "5151687").PN.) 5533193.URPN. ((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) ((("4041472" "4161024" "4310883" "4339657" "4511960" "4636940" "4797885" "4809170" "4858146" "4937740" "4953096").PN.) 5119493.URPN. ((("3540003" "3588837" "3627995" "3659272" "3673573" "3675214" "3704363" "3707725" "3748650" "3818458" "3868644" "3935563" "4016543" "4068304").PN.) 4205370.URPN. (((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) (714/45).CCLS.) (((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) (((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) (((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) (("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. ((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) ((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. ((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/06 17:41 |
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| | 1 | ((((("4996688" "5007020" "5023817" "5125088" "5138377" "5151687").PN.) 5533193.URPN. (((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) (("4041472" "4161024" "4310883" "4339657" "4511960" "4636940" "4797885" "4809170" "4858146" "4937740" "4953096").PN.) 5119493.URPN. (("3540003" "3588837" "3627995" "3659272" "3673573" "3675214" "3704363" "3707725" "3748650" "3818458" "3868644" "3935563" "4016543" "4068304").PN.) 4205370.URPN. ((((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) ((714/45).CCLS.) ((((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) ((((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) (((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) (("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) (("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. ((((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. ((((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.) and @pd>20040405) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 09:31 |
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| - | 733 | ((("4996688" "5007020" "5023817" "5125088" "5138377" "5151687").PN.) 5533193.URPN. ((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) ((("4041472" "4161024" "4310883" "4339657" "4511960" "4636940" "4797885" "4809170" "4858146" "4937740" "4953096").PN.) 5119493.URPN. ((("3540003" "3588837" "3627995" "3659272" "3673573" "3675214" "3704363" "3707725" "3748650" "3818458" "3868644" "3935563" "4016543" "4068304").PN.) 4205370.URPN. ((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) ((714/45).CCLS.) ((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) ((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) ((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) ((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) ((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. ((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) ((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. ((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. ((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 09:32 |
| - | 213 | (714/31).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 09:33 |
| - | 336 | (714/37).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 09:33 |
| - | 658 | (714/48).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 09:33 |

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| - | 329 | (714/45).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 09:33 |
| - | 1389 | (714/25).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 09:33 |
| - | 186 | (((714/31).CCLS.) not (((("4996688" "5007020" "5023817" "5125088" "5138377" "5151687").PN.) 5533193.URPN. (((("4108360" or ("5463768" or ("5627964" or ("5819024" or ("5884019") or ("5928369" or ("6170055" or ("6226761" or ("6415395" or ("6430707") or ("6560726")).PN.) (("4041472" "4161024" "4310883" "4339657" "4511960" "4636940" "4797885" "4809170" "4858146" "4937740" "4953096").PN.) 5119493.URPN. (("3540003" "3588837" "3627995" "3659272" "3673573" "3675214" "3704363" "3707725" "3748650" "3818458" "3868644" "3935563" "4016543" "4068304").PN.) 4205370.URPN. (((("4108360" or ("5463768" or ("5627964" or ("5819024" or ("5884019") or ("5928369" or ("6170055" or ("6226761" or ("6415395" or ("6430707") or ("6560726")).PN.) ((714/45).CCLS.) (((("5046068" or ("5253359" or ("5371883" or ("5537535" or ("5845062") or ("5884019" or ("6289379")).PN.) (((("5056091" or ("5485573" or ("5619644" or ("5642478" or ("5664093") or ("5699505" or ("5774645" or ("6000040" or ("6000046" or ("6065136") or ("6105150" or ("6430712" or ("6470388")).PN.) (((("5265207" or ("5349675" or ("5748884" or ("5805790") or ("5872970" or ("6199179" or ("6658594" or ("6658599" or ("20020120884")).PN.) (((("5564040" or ("5619644" or ("5335341" or ("6199179") or ("6233680" or ("6256756" or ("6401174" or ("6412089" or ("6457138") or ("6493656" or ("6496945" or ("6516429" or ("6543010" or ("6594785")).PN.) (((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) (((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677" or ("5379406" or ("5699505" or ("5884019" or ("5974565") or ("6105150" or ("6182243" or ("6543010" or ("6550022" or ("6615374") or ("6618823")).PN.))) ((714/45).CCLS.))) and (@ad<=20010503 @rlad<=20010503.@prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 11:44 |

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| - | 265 | (((714/37).CCLS.) not (((714/31).CCLS.) (((("4996688" "5007020" "5023817" "5125088" "5138377" "5151687").PN.) 5533193.URPN. (((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) (("4041472" "4161024" "4310883" "4339657" "4511960" "4636940" "4797885" "4809170" "4858146" "4937740" "4953096").PN.) 5119493.URPN. (("3540003" "3588837" "3627995" "3659272" "3673573" "3675214" "3704363" "3707725" "3748650" "3818458" "3868644" "3935563" "4016543" "4068304").PN.) 4205370.URPN. (((("4108360") or ("5463768") or ("5627964") or ("5819024") or ("5884019") or ("5928369") or ("6170055") or ("6226761") or ("6415395") or ("6430707") or ("6560726")).PN.) ((714/45).CCLS.) (((("5046068") or ("5253359") or ("5371883") or ("5537535") or ("5845062") or ("5884019") or ("6289379")).PN.) (((("5056091") or ("5485573") or ("5619644") or ("5642478") or ("5664093") or ("5699505") or ("5774645") or ("6000040") or ("6000046") or ("6065136") or ("6105150") or ("6430712") or ("6470388")).PN.) (((("5265207") or ("5349675") or ("5748884") or ("5805790") or ("5872970") or ("6199179") or ("6658594") or ("6658599") or ("20020120884")).PN.) (((("5564040") or ("5619644") or ("5335341") or ("6199179") or ("6233680") or ("6256756") or ("6401174") or ("6412089") or ("6457138") or ("6493656") or ("6496945") or ("6516429") or ("6543010") or ("6594785")).PN.) ((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) (((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677") or ("5379406") or ("5699505") or ("5884019") or ("5974565") or ("6105150") or ("6182243") or ("6543010") or ("6550022") or ("6615374") or ("6618823")).PN.))) ((714/45).CCLS.))) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 13:54 |
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| - | 561 | (((714/48).CCLS.) not (((714/37).CCLS.) ((714/31).CCLS.) (((("4996688" "5007020" "5023817" "5125088" "5138377" "5151687").PN.) 5533193.URPN. (((("4108360" or ("5463768" or ("5627964" or ("5819024" or ("5884019") or ("5928369" or ("6170055" or ("6226761" or ("6415395" or ("6430707") or ("6560726")).PN.) ((("4041472" "4161024" "4310883" "4339657" "4511960" "4636940" "4797885" "4809170" "4858146" "4937740" "4953096").PN.) 5119493.URPN. ((("3540003" "3588837" "3627995" "3659272" "3673573" "3675214" "3704363" "3707725" "3748650" "3818458" "3868644" "3935563" "4016543" "4068304").PN.) 4205370.URPN. (((("4108360" or ("5463768" or ("5627964" or ("5819024" or ("5884019") or ("5928369" or ("6170055" or ("6226761" or ("6415395" or ("6430707") or ("6560726")).PN.) ((714/45).CCLS.) (((("5046068" or ("5253359" or ("5371883" or ("5537535" or ("5845062") or ("5884019" or ("6289379")).PN.) (((("5056091" or ("5485573" or ("5619644" or ("5642478" or ("5664093") or ("5699505" or ("5774645" or ("6000040" or ("6000046" or ("6065136") or ("6105150" or ("6430712" or ("6470388")).PN.) (((("5265207" or ("5349675" or ("5748884" or ("5805790") or ("5872970" or ("6199179" or ("6658594" or ("6658599" or ("20020120884")).PN.) (((("5564040" or ("5619644" or ("5335341" or ("6199179") or ("6233680" or ("6256756" or ("6401174" or ("6412089" or ("6457138") or ("6493656" or ("6496945" or ("6516429" or ("6543010" or ("6594785")).PN.) ((("3551659" "3664569" "3937938" "4514846" "4696003" "4703482" "4755997" "4802165" "4819232" "4965772").PN.) 5119377.URPN. (((("3704363" "5119377" "5463768" "5485573" "5504861" "5619644" "5790777" "5845062" "5862316" "6000041" "6052758" "6374293" "6446134").PN.) ((("4670835" "5119377" "5128885" "5241635").PN.) 6182243.URPN. (((("5495573" "5515384" "5617531" "5696769" "5720031").PN.) 6105150.URPN. (((("5237677" or ("5379406" or ("5699505" or ("5884019" or ("5974565") or ("6105150" or ("6182243" or ("6543010" or ("6550022" or ("6615374") or ("6618823")).PN.))) ((714/45).CCLS.))) and (@ad<=20010503 @rlad<=20010503 @prad<=20010503 @pd<=20010503) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/04/07 16:29 |
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